

Sea Level Rise

NASA Resources for Grades Kindergarten to 2nd

K to 2nd grade NGSS related to Sea Level Rise:

- 2-ESS1-1. Use information from several sources to provide evidence that Earth events can occur quickly or slowly.
- 2-ESS2-1. Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.
- 2-ESS2-2. Develop a model to represent the shapes and kinds of land and bodies of water in an area.
- 2-ESS2-3. Obtain information to identify where water is found on Earth and that it can be solid or liquid.
- K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
- K-2-ETS1-2. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

NASA Resources

Websites:

[NASA's Climate Kids website:](#)

- <https://climatekids.nasa.gov/sea-level/>

Lesson Plans:

[Identifying Landforms and Bodies of Water on a Map](#)
[Lessons in Sea Level Rise](#)

Activities:

[Earth's Water Globe Activity](#)
[ICESat-2 Sea Ice Towers](#)

Articles:

[Earth Observatory for Kids](#), known as EO Kids, is a NASA affiliated magazine for students, primarily focused on students aged 9 through 14. However, there are many articles and activities in these issues which might be interested and accessible for younger children.

- [EO Kids: Making and Melting Ice at Earth's Poles](#)
- [EO Kids: Ice on Earth: By Land and By Sea](#)
- [EO Kids: Freshwater issue](#)

[The GLOBE Program's Elementary Storybook: What in the World is Happening to our Climate?](#)

Videos:

[What is the Greenhouse Effect](#) (2:29)
[What Causes Sea Level Rise?](#) (2:43)
[Sea Level Rise](#) (1:30)